

Appendix Q Water Budget Workbook for New and Rehabilitated Non-Residential Landscapes

Appendices

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Water Budget Workbook for New and Rehabilitated Non-Residential Landscapes

Beta Version 1.30

June 13, 2017

California Department of Water Resources
Statewide Integrated Water Management
Water Use and Efficiency Branch

This program calculates Maximum Applied Water Allowance (MAWA) and Estimated Total Water Use (ETWU) based on reference evapotranspiration from Appendix A in the Model Water Efficiency Landscape Ordinance

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Maximum Applied Water Allowance Calculations for New and Rehabilitated Non-Residential Landscapes

Enter value in Pale Blue Cells

Tan Cells Show Results

Messages and Warnings



Click on the blue cell on right to Pick City Name ET _o of City from Appendix A Total Landscape Area Results: (ET _o) x (0.62) x [(0.45 x LA) + (1.0 - 0.45) X SLA] MAWA calculation incorporating Effective Precipitation (Optional) Precipitation (Optional) ET _o of City from Appendix A Total Landscape Area Special Landscape Area Enter Effective Precipitation Results: MAWA = [(ET _o - Eppt) x (0.62)] x [(0.45 x LA) + ((1.0 - 0.45) x SLA)]	Walnut	Name of City	
	49.20	ET _o (inches/year)	
	115,026	Overhead Landscape Area (ft ²)	
	0	Drip Landscape Area (ft ²)	
	0	SLA (ft ²)	
	115,026	Total Landscape Area	
	-	Gallons	
	-	Cubic Feet	
	-	HCF	
	-	Acre-feet	
	-	Millions of Gallons	
	49	ET _o (inches/year)	
	115,026	LA (ft ²)	
	0	SLA (ft ²)	
17.2	Total annual precipitation (inches/year)		
4.30	Eppt (in/yr)(25% of total annual precipitation)		
1,441,046	Gallons		
192,640.43	Cubic Feet		
1,926.40	HCF		
4.42	Acre-feet		
1.44	Millions of Gallons		

Maximum Applied Water Allowance Calculations for New and Rehabilitated Non-Residential Landscapes

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Tan Cells Show Results

Messages and Warnings



Click on the blue cell on right to Pick City Name ET _o of City from Appendix A	Walnut	Name of City
	49.20	ET _o (inches/year)
	150,500	Overhead Landscape Area (ft ²)
		Drip Landscape Area (ft ²)
	0	SLA (ft ²)
	150,500	Total Landscape Area
	Results:	
	-	Gallons
	-	Cubic Feet
	-	HCF
-	Acre-feet	
-	Millions of Gallons	
MAWA calculation incorporating Effective Precipitation (Optional)		
Precipitation (Optional)		
ET _o of City from Appendix A	49 ET _o (inches/year)	
Total Landscape Area	150,500 LA (ft ²)	
Special Landscape Area	0 SLA (ft ²)	
	17.2 Total annual precipitation (inches/year)	
Enter Effective Precipitation	4.30 Eppt (in/yr)(25% of total annual precipitation)	
Results:		
MAWA = [(ET _o - Eppt) x (0.62)] x [(0.45 x LA) + ((1.0 - 0.45) x SLA)]	1,885,464 Gallons	
	252,050.71 Cubic Feet	
	2,520.51 HCF	
	5.79 Acre-feet	
	1.89 Millions of Gallons	

